In claim 4, line 1, please delete "one of the previous claims" and insert -claim 1— MIn claim 5, line 1, please delete "one of the previous claims" and insert -claim 1— In claim 11, line 1, please delete "or 9"

In claim 13, line 1, please delete "one of the previous claims" and insert –claim 12-

REMARKS

The above preliminary amendment is made to remove multiple dependencies from the original claims 3, 45, 11, and 13.

A new abstract page is supplied to conform to that appearing on the publication page of the WIPO application, but the new Abstract is typed on a separate page as required by U.S. practice.

Applicants respectfully request that the preliminary amendment described herein be entered into the record prior to calculation of the filing fee and prior to examination and consideration of the above-identified application.

If a telephone conference would be helpful in resolving any issues concerning this communication, please contact Applicants' primary attorney-of record, John J. Gresens (Reg. No. 33,112), at (612) 371.5265.

Respectfully submitted,

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JJG/jlc

Reg. No. 33,112



1. Method for generating electrical energy by means of a synchronous generator with a generator-stator with a stator winding and a generator rotor, movable relative to the stator, which comprises n poles and induces an electrical voltage in the stator winding when a stator current flows through the stator winding, wherein the currents induced during operation in one stator winding or several stator windings are rectified by means of a rectifier circuit (6), and the sum of the component currents of the stator windings yields a nearly constant direct current.

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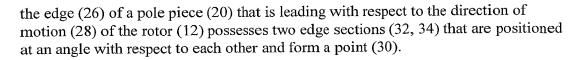
2. Method of claim 1 wherein the stator contains a 6-phase stator winding, whereby every two phases form a phase pair, and the addition of the currents of a phase pair essentially matches the time behavior of the voltage induced in the corresponding phase windings.

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3. Method of one of the previous claims wherein the voltage induced in the stator essentially has a trapezoidal shape, which in a Fourier analysis contains a minimum of high-frequency components

4. Synchronous generator to implement the method of one of the previous claims, comprising a generator stator (16) and a generator rotor (12) that is movable relative to the stator (16) and contains n poles (14), wherein a rectifier circuit (6), coupled to the synchronous generator, rectifies the currents induced during operation in one stator winding or several stator windings, and the sum of the component currents is smoothed to a nearly constant direct current by means of a capacitor (8) of the rectifier circuit (6).

- Synchronous generator of claim 4, in particular according to the introductory part of claim 4, wherein the cross section of the pole piece (20) of a pole (14) is approximately trapezoidal.
 - 6. Synchronous generator of claim 5 wherein the distance between poles (14) is not constant.
 - 7. Synchronous generator of claim 6 wherein the poles (14) are arranged on the rotor (12) using three different pole distances.
 - 8. Synchronous generator, in particular according to the introductory part of claim 5, wherein the poles (14) of the rotor (12) possess at least one leading edge (26) on the pole piece (20) that extends essentially obliquely with respect to the direction of motion (28) of the rotor (12).
 - 9. Synchronous generator of claim 8 wherein



- 10. Synchronous generator of claim 9 wherein the edge sections (32, 34) of the leading edge (26) are positioned at an angle of approximately 100° to 140°, preferably 120°, to the direction of motion (28) of the rotor (12).
- 11. Synchronous generator of claim 8 or 9 wherein the poles (14) of the rotor (12) possess at least one trailing edge (24) on the pole piece (20) that extends essentially obliquely with respect to the direction of motion (28) of the rotor (12).
 - 12. Synchronous generator of claim 11 wherein the trailing edge (24) possesses two edge sections (36, 38), positioned at an angle with respect to each other, that extend in parallel to the edge sections (32, 34) on the leading edge (26), so that in a radial top view the pole piece (20) essentially has the shape of an arrowhead.
- 3. Synchronous generator of claim 5 wherein the cross section of the peripheral area of pole piece (20) diminishes on both sides.
 - 14. Synchronous generator of claim 5 wherein the edges (24, 26) of the trapezoid are rounded.
 - 15. Wind power plant comprising a tower, a rotor attached to the tower, as well as a generator (4) that can be driven by this rotor, wherein the generator is designed according to at least one of the previous claims.